

526,512

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 March 2004 (18.03.2004)

PCT

(10) International Publication Number
WO 2004/022785 A2

(51) International Patent Classification⁷: **C12Q 1/70**

(21) International Application Number:
PCT/GB2003/003864

(22) International Filing Date:
5 September 2003 (05.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0220798.3 6 September 2002 (06.09.2002) GB

(71) Applicant (for all designated States except US): **STATOIL**
ASA [NO/NO]; Forusbeen 50, N-5035 Stavanger (NO).

(71) Applicant (for MG only): **GARDNER, Rebecca**
[GB/GB]; Frank B. Dehn & Co., 179 Queen Victoria
Street, London EC4V 4EL (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KOTLAR, Hans,**

Kristian [NO/NO]; Mentz Skjetnes v 17, N-7072 Heimdal
(NO). **RUESLATTEN, Hakon, Gunnar** [NO/NO]; Ole
Nordgaardsvei 67, N-7049 Trondheim (NO). **RAMSTAD,**
Marit, Valeur [NO/NO]; Ole Nordgaards v. 11B, N-7049
Trondheim (NO). **BRAKSTAD, Odd, Gunnar** [NO/NO];
Nedre Bakklandet 15, N-7014 Trondheim (NO).

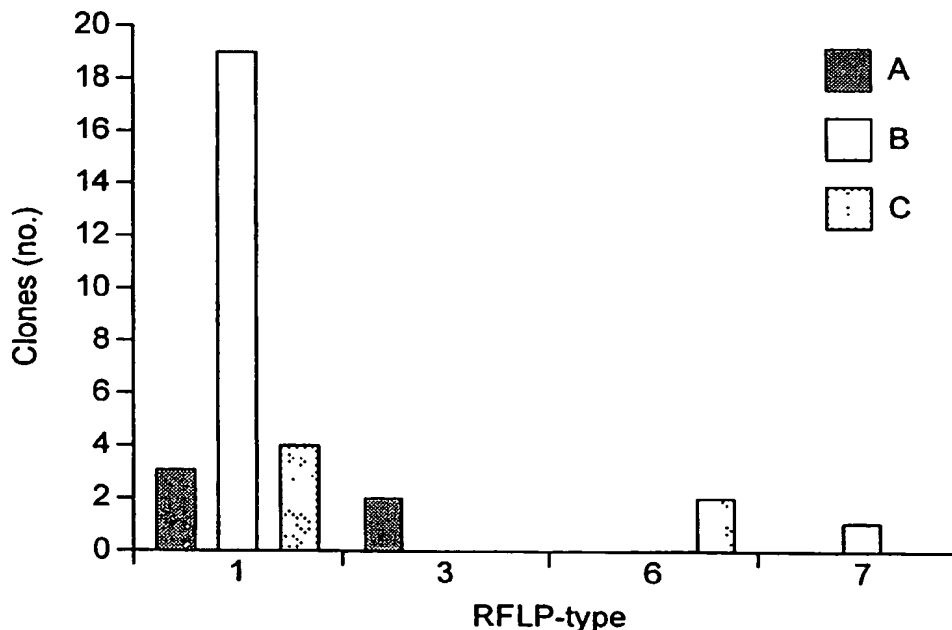
(74) Agent: **FRANK B. DEHN & CO.**; 179 Queen Victoria
Street, London EC4V 4EL (GB).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ (utility model), CZ, DE (utility model), DE, DK (utility
model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI
(utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID,
IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK
(utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: IDENTIFICATION TOOL FOR HYDROCARBON ZONES



(57) Abstract: The present invention relates to a method of detecting, characterising or monitoring a hydrocarbon source, which method comprises the genotypic analysis of a sample for the presence of one or more thermophilic or extremophilic microorganisms and in particular to the generation of microbiological profiles of samples and to the comparison of these profiles with profiles from reference samples.

WO 2004/022785 A2



Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *without international search report and to be republished upon receipt of that report.*